

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

September 2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

October 12, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

During the month of September, there were only a few rainfall events scattered across the hydrologic service area (HSA). Generally, areas south and west of a line from Sterling City to O.H. Ivie Reservoir to Junction received below normal rainfall for the month.

From September 2nd through 3rd, a cold front moved across the area producing scattered showers and thunderstorms. Scattered areas across Haskell, Throckmorton, Shackelford, Sterling and Coke Counties received two to three inches of rain. Isolated areas across Mason and Kimble Counties received three to four inches of rain.

Tropical Storm Hermine made landfall on the coast of Northeast Mexico on the evening of September 6. The center of circulation moved north into south Texas toward San Antonio and to Brady by late evening of September 7. Heavy rain was concentrated east of the center of circulation and areas across Mason, McCulloch, San Saba, Coleman, Brown, Callahan and Shackelford Counties received 2.5 to five inches of rain.

A cold front moved across the region late on September 24. With tropical moisture in place over the HSA, heavy rainfall began early on the 25th across Haskell and Throckmorton Counties. Isolated areas across Haskell and Throckmorton Counties received over six inches of rain. Later in the day, scattered areas along and west of a line from Albany to Ballinger received one to three inches of rain.

The average precipitation reported from coop observers in September was 3.52 inches. The highest monthly precipitation total of 7.34 inches was reported in Nolan County. Coop observers in Callahan, Coke, Coleman, Haskell, Jones, Nolan and Throckmorton Counties received over 5.00 inches of rain in September.

The San Angelo Regional Airport received 1.72 inches of precipitation during September, which was 1.23 inches below normal for the month. The monthly normal rainfall for San Angelo in September is 2.95 inches.

The Abilene Regional Airport received 2.44 inches of precipitation during September, which was 0.47 of an inch below normal for the month. The monthly normal rainfall for Abilene in September is 2.91 inches.

Junction received 1.85 inches of rain during September. The estimated average monthly rainfall in September is about 2.3 inches.

Coop Observer Rainfall Totals for September, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	3.14		Merkel 12SW	4.87
Acton Ranch	1.62		Mertzon 12NNW	2.39
Albany	M		Ozona 22SE	0.60
Anson	2.85		Paint Rock	2.15
Ballinger 2NW	3.47		Putnam	5.27
Brady	4.97		Red Bluff Crossing	4.94
Brownwood	4.63		Robert Lee	5.77
Burkett	6.14		Roscoe	7.34
Coleman	3.31		Rotan	2.40
Concho Park	1.67		San Angelo WFO	1.65
Eden	1.85		San Saba 7NW	3.88
Eldorado	1.63		Santa Anna 12SSE	4.32
Eldorado 10W	0.36		Silver Valley	5.47
Fort Griffin	4.76		Sonora	0.85
Fort McKavett	1.31		Stamford	2.88
Glen Cove 2NE	4.45		Sterling City	3.49
Hamlin	6.19		Throckmorton 7NE	5.17
Haskell	6.09		Water Valley	1.67
Hords Creek	4.75		Water Valley 11NE	4.62
Humble Pump	1.15		Winters 1NE	4.85
Junction 4SSW	2.41		Woodson	4.32
London 3N	4.29		(M) <i>Missing data</i>	
Menard	1.52		(T) <i>Trace</i>	

Reservoir Conditions (end of September, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	63,050	90
Lake Stamford	51,570	51,570	100
Hubbard Creek Lake	317,800	207,780	65
Hords Creek Lake	8,800	3,110	38
Lake Brownwood	131,428	87,550	67
E.V. Spence	488,760	21,320	4
O.C. Fisher	119,200	2,500	2
O.H. Ivie	554,340	198,600	36
Twin Buttes	177,800	35,250	20

Hydro Products Issued

FFA = 8

FFW = 5

FFS = 1

FLS = 29 (Urban/Small Stream Advisory)

RVS = 4

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for September across the San Angelo HSA is depicted below.

